

## CLAIMS

I/We claim:

- [c1]           1.     A method in a computer system for displaying a graphical representation of gene variants of a tissue sample, the gene having an exonic structure, the method comprising:
- displaying representation of the exonic structure; and
- for each of a plurality of gene variants, displaying a representation of the gene variant wherein the exons of the gene variant are aligned with corresponding exons of the exonic structure and wherein the displayed representation indicates relative expression level of the gene variant.
- [c2]           2.     The method of claim 1 wherein the relative expression level is indicated by intensity level of a color.
- [c3]           3.     The method of claim 1 wherein the relative expression level is indicated by shading of an area corresponding to the gene variant.
- [c4]           4.     The method of claim 1 wherein representations of gene variants for multiple tissue samples are displayed simultaneously.
- [c5]           5.     The method of claim 4 wherein the representations for different tissue samples are displayed in different colors.
- [c6]           6.     The method of claim 1 wherein each gene variant is represented by a rectangular region for each exon with a width corresponds to the length of the exon.

- [c7]           7.     The method of claim 6 wherein the relative expression level is indicated by height of the rectangle.
- [c8]           8.     A method in a computer system for displaying a graphical representation of gene variants of a tissue sample, the method comprising:  
                for each of a plurality of gene variants, displaying a representation of the gene variant wherein exons of the gene variant are aligned with corresponding exons of the other gene variants and wherein the displayed representation indicates relative expression level of the gene variant.
- [c9]           9.     The method of claim 8 wherein the relative expression level is indicated by intensity level of a color.
- [c10]          10.    The method of claim 8 wherein the relative expression level is indicated by shading of an area corresponding to the gene variant.
- [c11]          11.    The method of claim 8 wherein representations of gene variants for multiple tissue samples are displayed simultaneously.
- [c12]          12.    The method of claim 11 wherein the representations for different tissue samples are displayed in different colors.
- [c13]          13.    The method of claim 8 wherein each gene variant is represented by a rectangular region for each exon with a width corresponds to the length of the exon.
- [c14]          14.    The method of claim 13 wherein the relative expression level is indicated by height of the rectangle.